

Title (en)
Electrochemical sensors

Title (de)
Elektrochemische Sensoren

Title (fr)
Capteurs électrochimiques

Publication
EP 0690134 B1 20000112 (EN)

Application
EP 95304295 A 19950620

Priority
US 26682494 A 19940627

Abstract (en)
[origin: EP0690134A1] A solid state, multi-use electrochemical sensor having an electrically nonconductive substrate, a working electrode, and a semi-permeable membrane covering the working electrode. The working electrode includes an electrically conductive material adhered to a portion of the substrate. A first portion of the conductive material is covered with an electrically insulating dielectric coating, and a second portion of the conductive material is covered with an active layer. The active layer includes a catalytically active quantity of an enzyme carried by platinized carbon powder particles, which are distributed throughout the active layer. A sensor package for incorporating a sensor is provided.

IPC 1-7
C12Q 1/00

IPC 8 full level
G01N 27/28 (2006.01); **C08L 1/00** (2006.01); **C08L 1/12** (2006.01); **C12Q 1/00** (2006.01); **G01N 27/30** (2006.01); **G01N 27/327** (2006.01); **G01N 27/40** (2006.01); **G01N 27/416** (2006.01); **G01N 33/483** (2006.01); **G01N 37/00** (2006.01)

CPC (source: EP KR US)
C12Q 1/001 (2013.01 - EP US); **C12Q 1/006** (2013.01 - EP US); **G01N 27/26** (2013.01 - KR); **Y10S 435/817** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - EP US); **Y10T 29/49204** (2015.01 - EP US); **Y10T 29/53261** (2015.01 - EP US); **Y10T 29/53265** (2015.01 - EP US)

Citation (examination)
• EP 0537761 A2 19930421 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• EP 0247850 B1 19930421

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